

## EAST Search History

| Ref # | Hits | Search Query                                   | DBs                             | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---------------------------------|------------------|---------|---------------------|
| S1    | 72   | (volker with hennige).in.                      | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:49 |
| S2    | 97   | (christian with hyning).in.                    | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:49 |
| S3    | 28   | (gerhard with horpel).in.                      | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:49 |
| S4    | 14   | S1 and S2 and S3                               | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:49 |
| S5    | 1    | "20050014063"                                  | DERWENT                         | ADJ              | ON      | 2008/04/15<br>08:50 |
| S6    | 12   | (lie with shi).in.                             | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:50 |
| S7    | 1    | "6475666".pn.                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:51 |
| S8    | 498  | shutdown and lithium battery                   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:56 |
| S9    | 27   | S8 and nonwoven                                | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:56 |
| S10   | 5    | S9 and (@ad<="20020824"<br>or @pd<="20020824") | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:56 |
| S11   | 5    | S10 and (inorganic or<br>ceramic)              | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>08:57 |
| S12   | 0    | "9119326"                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>09:04 |
| S13   | 0    | "91/19326"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>09:04 |
| S14   | 1    | "5091272".pn.                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>09:30 |
| S15   | 0    | S14 and (inorganic or<br>ceramic)              | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ              | ON      | 2008/04/15<br>09:30 |

|     |     |   |                                 |     |    |                     |
|-----|-----|---|---------------------------------|-----|----|---------------------|
| S16 | 1   | "6495292".pn.                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/04/15<br>09:37 |
| S17 | 1   | "6620320".pn.                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/04/15<br>09:38 |
| S18 | 1   | "6511774".pn.                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/04/15<br>09:52 |
| S19 | 1   | S18 and (inorganic or<br>ceramic)                 | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/04/15<br>09:52 |
| S20 | 1   | "6495292".pn.                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:14 |
| S21 | 0   | S20 and shutdown                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:15 |
| S22 | 0   | S20 and lithium                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:16 |
| S23 | 2   | "20050014063"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:26 |
| S24 | 48  | nonwoven with coating with<br>ceramic and lithium | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:34 |
| S25 | 18  | S24 and (@ad<="20020824"<br>or @pd<="20020824")   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:35 |
| S26 | 19  | nonwoven with coating with<br>ceramic and battery | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:38 |
| S27 | 3   | S26 and (@ad<="20020824"<br>or @pd<="20020824")   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:38 |
| S28 | 21  | nonwoven same coating with<br>ceramic and battery | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:39 |
| S29 | 4   | S28 and (@ad<="20020824"<br>or @pd<="20020824")   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:39 |
| S30 | 221 | nonwoven with ceramic and<br>battery              | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:40 |
| S31 | 88  | S30 and (@ad<="20020824"<br>or @pd<="20020824")   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:40 |
| S32 | 1   | "6620320".pn.                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/05/22<br>08:41 |

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|-----|--------|--|---------------------------|-----|----|------------------|
| S33 | 1      | ("6620320").URPN.                              | USPAT                     | ADJ | ON | 2008/05/22 08:41 |
| S34 | 34     | nonwoven with inorganic near3 coating          | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:48 |
| S35 | 389169 | "156" and (@ad<="20020824" or @pd<="20020824") | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:48 |
| S36 | 23     | S34 and (@ad<="20020824" or @pd<="20020824")   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:48 |
| S37 | 0      | separatir with inorganic near3 coating         | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:49 |
| S38 | 46     | separator with inorganic near3 coating         | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:49 |
| S39 | 21     | S38 and (@ad<="20020824" or @pd<="20020824")   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 08:49 |
| S40 | 1      | "6632561".pn. and lithium                      | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 09:32 |
| S41 | 1      | "6632561".pn. and (porosity or pore or porous) | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 09:35 |
| S42 | 3      | CT3000SG with particle size                    | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 10:37 |
| S43 | 4      | CT3000SG with particle                         | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 10:38 |
| S44 | 5      | CT3000SG same particle size                    | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 10:42 |
| S45 | 1      | "6632561" and shutdown                         | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 11:10 |
| S46 | 2      | "6632561" and pore                             | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 11:10 |
| S47 | 2      | "6632561" and thickness                        | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 12:31 |
| S48 | 1      | "5091272".pn. and thick\$6                     | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 12:33 |
| S49 | 0      | "6632561" and wax                              | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/05/22 12:37 |

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|-----|-----|---|---------------------------|-----|----|------------------|
| S50 | 5   | immiscible.ti. and (fuel cell).ti.                        | DERWENT                   | ADJ | ON | 2008/05/22 13:18 |
| S51 | 33  | balliet.in.   | DERWENT                   | ADJ | ON | 2008/05/22 13:19 |
| S52 | 19  | lillelund.in.   | DERWENT                   | ADJ | ON | 2008/05/22 14:03 |
| S53 | 135 | lillelund.in.   | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:03 |
| S54 | 0   | S53 and food with presentation                            | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:03 |
| S55 | 10  | S53 and food  | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:04 |
| S56 | 9   | d368834   | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:04 |
| S57 | 353 | separator with immiscible                                 | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:49 |
| S58 | 18  | separator with immiscible and hydrophilic and hydrophobic | USPAT; EPO; JPO           | ADJ | ON | 2008/05/22 14:51 |
| S59 | 2   | 10/524145   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:32 |
| S60 | 0   | S59 and "120.deg.c"                                       | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:32 |
| S61 | 1   | (US-20050221165-\$).did.                                  | US-PGPUB                  | ADJ | ON | 2008/09/08 15:32 |
| S62 | 0   | S61 and "120.degree."                                     | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:33 |
| S63 | 0   | S61 and "150.degree."                                     | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:33 |
| S64 | 0   | S61 and "150.degree.\$"                                   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:33 |
| S65 | 0   | S61 and "150.degree."??                                   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 15:34 |
| S66 | 1   | "6632561".pn.   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 16:21 |
| S67 | 1   | S66 and (melt or melting)                                 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 16:22 |
| S68 | 1   | S66 and (polyolefin or olefin)                            | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/08 16:22 |
| S69 | 0   | "6632561".pn. and bend\$10                                | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2008/09/09 14:15 |

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|-----|-----|--|---------------------------------|-----|----|---------------------|
| S70 | 0   | "6632561".pn. and flex\$8  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>14:16 |
| S71 | 0   | "6632561".pn. and mm   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>14:16 |
| S72 | 1   | "6620320".pn. and (bend\$8<br>or flex\$8)  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>14:19 |
| S73 | 0   | "6632561".pn. and wax  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>14:41 |
| S74 | 9   | shutdown particles and<br>particle size with (thick or<br>thickness) and "429".clas.                       | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>15:47 |
| S75 | 1   | "5091272".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/09/09<br>15:59 |
| S76 | 8   | ("5091272").URPN.  | USPAT                           | ADJ | ON | 2008/09/09<br>16:03 |
| S77 | 1   | S76 and particle (size or<br>diameter) with thick\$6   | USPAT                           | ADJ | ON | 2008/09/09<br>16:04 |
| S78 | 2   | S76 and particle (size or<br>diameter) same thick\$6   | USPAT                           | ADJ | ON | 2008/09/09<br>16:09 |
| S79 | 1   | "6468684".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2008/11/17<br>09:55 |
| S80 | 198 | lithium near4 battery and<br>(ceramic or inorganic) with<br>(coat or coated or coating)<br>same2 separator | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/23<br>07:34 |
| S81 | 65  | S80 and (@ad<="20030708"<br>or @pd<="20030708")  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/23<br>07:34 |
| S82 | 51  | S81 and (@ad<="20020824"<br>or @pd<="20020824")  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/23<br>07:35 |
| S83 | 4   | S82 and (shut?down or<br>shutdown)   | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/23<br>07:36 |
| S84 | 604 | electrical connection interface  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/24<br>07:57 |
| S85 | 113 | S84 and battery  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/24<br>07:57 |
| S86 | 0   | (printed circuit board or PCB)<br>with battery same interface  | US-PGPUB;<br>USPAT; EPO;<br>JPO | ADJ | ON | 2009/02/24<br>08:02 |

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|-----|------|---|---------------------------|-----|----|------------------|
| S87 | 7403 | (printed circuit board or PCB) with battery                                     | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:02 |
| S88 | 0    | (printed circuit board or PCB) with battery and electrical connection interface | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:02 |
| S89 | 6    | S84 and "307".clas.   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:03 |
| S90 | 674  | 307/150.ccls.   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:03 |
| S91 | 289  | S90 and battery   | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:04 |
| S92 | 1595 | battery pack same3 (printed circuit board or PCB)                               | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 08:08 |
| S93 | 1    | "6432586".pn. and por\$8  | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2009/02/24 09:57 |

2/24/2009 2:08:43 PM

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